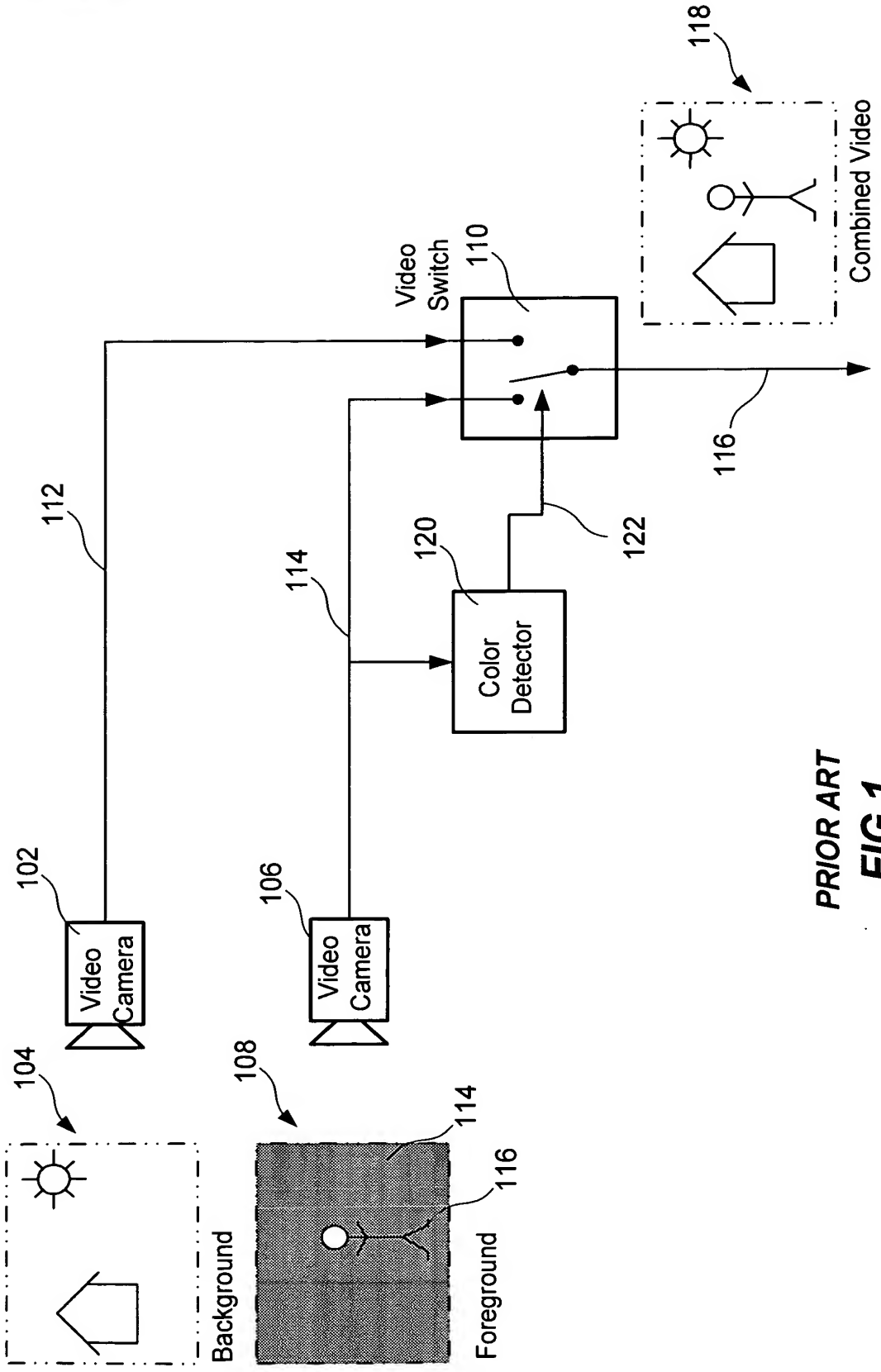
OIPE
MAR 05 2007
PATENT & TRADEMARK OFFICE



PRIOR ART
FIG 1

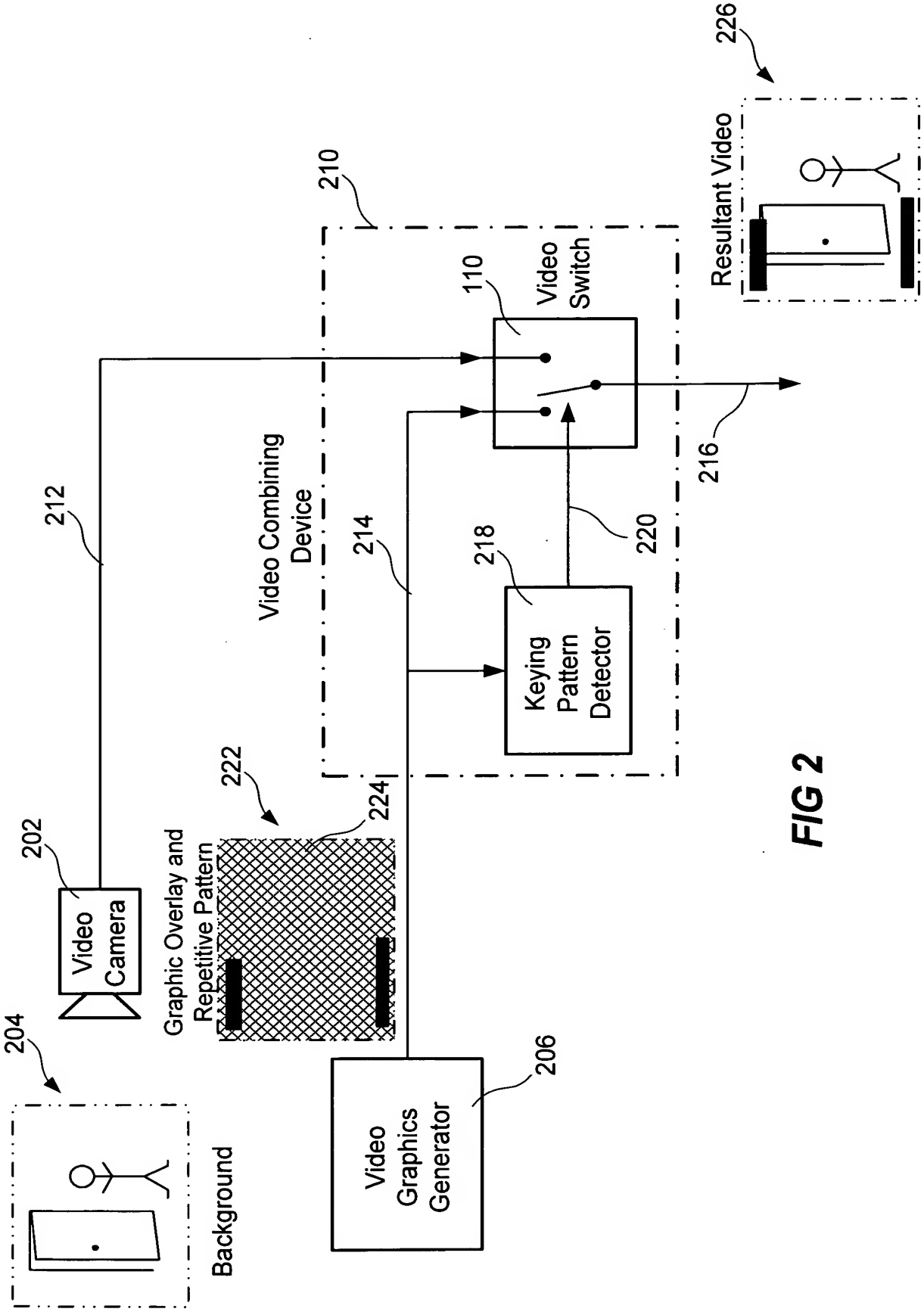

226
Resultant Video
210
Video Switch
110
216
212
Video Combining Device
214
218
220
Keying Pattern Detector
222
224
202
Video Camera
Graphic Overlay and Repetitive Pattern
204
Background
206
Video Graphics Generator

FIG 2

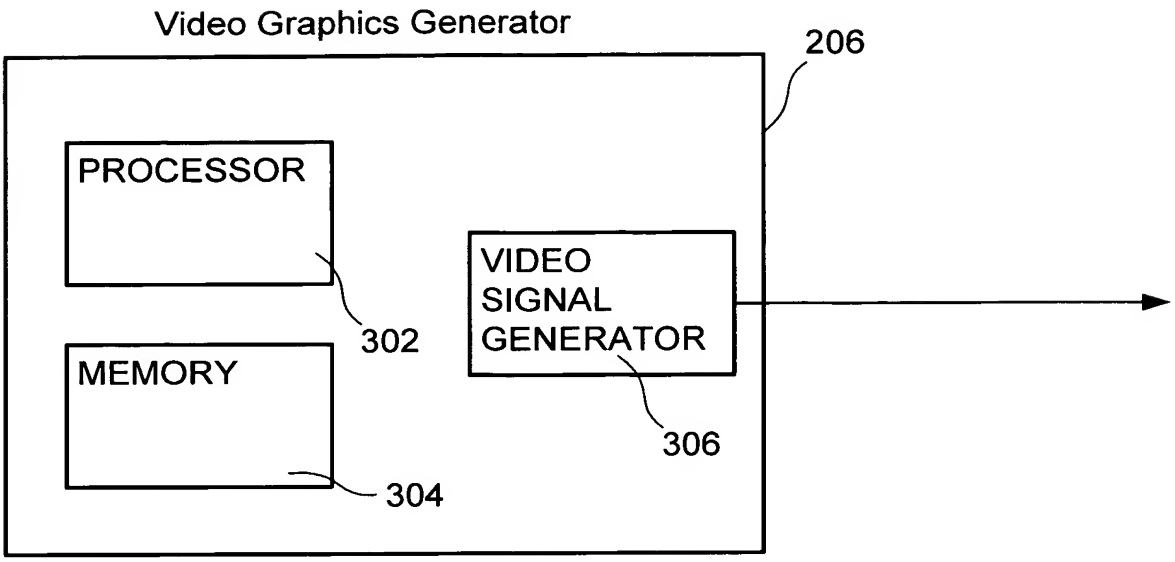

Video Graphics Generator
206
PROCESSOR
302
MEMORY
304
VIDEO
SIGNAL
GENERATOR
306

FIG 3

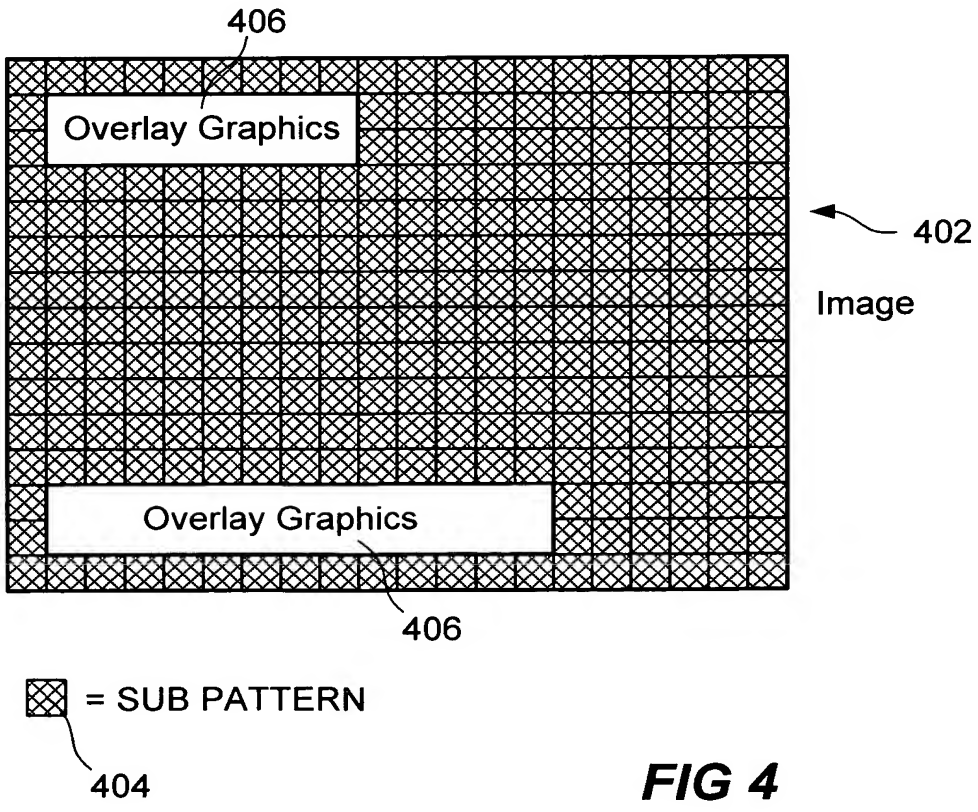

406
Overlay Graphics
402
Image
Overlay Graphics
406
= SUB PATTERN
404

FIG 4

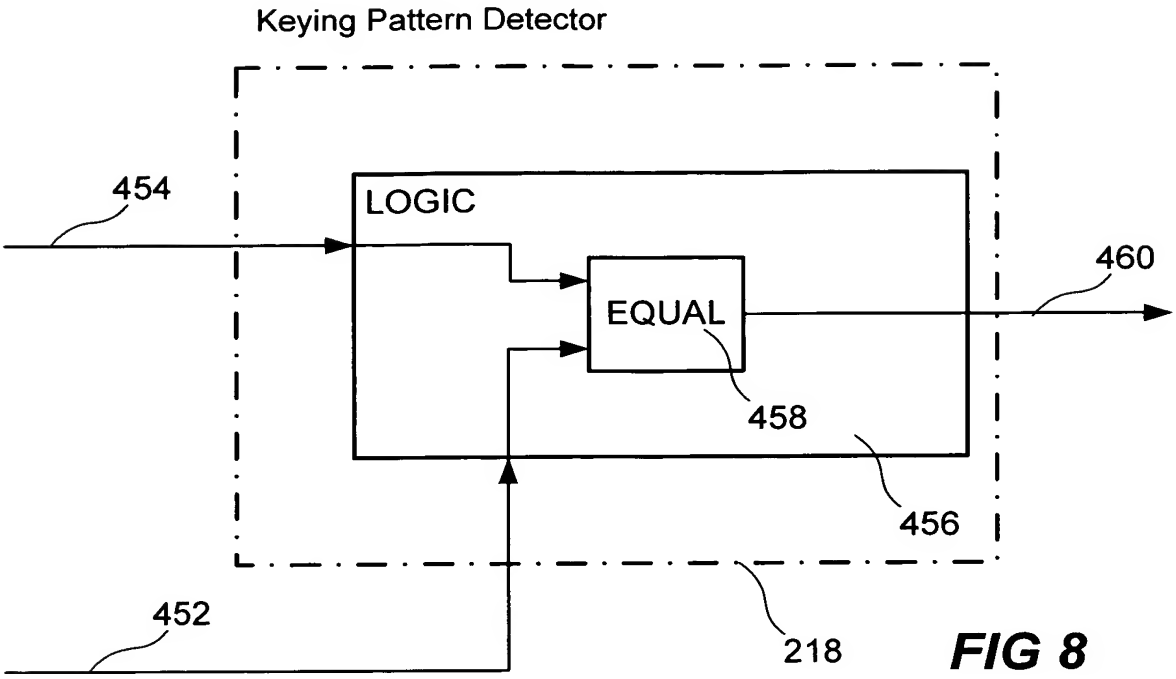

Keying Pattern Detector
454
LOGIC
EQUAL
460
458
456
452
218

FIG 8

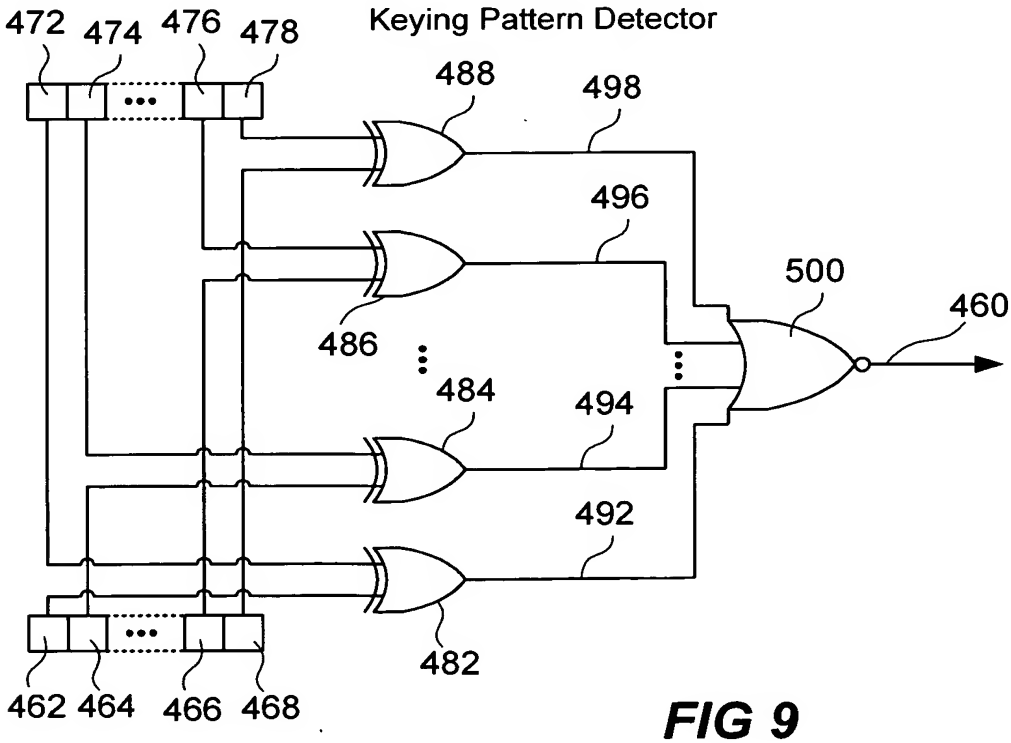

472
474
476
478
Keying Pattern Detector
488
498
496
500
460
486
484
494
492
482
462
464
466
468

FIG 9

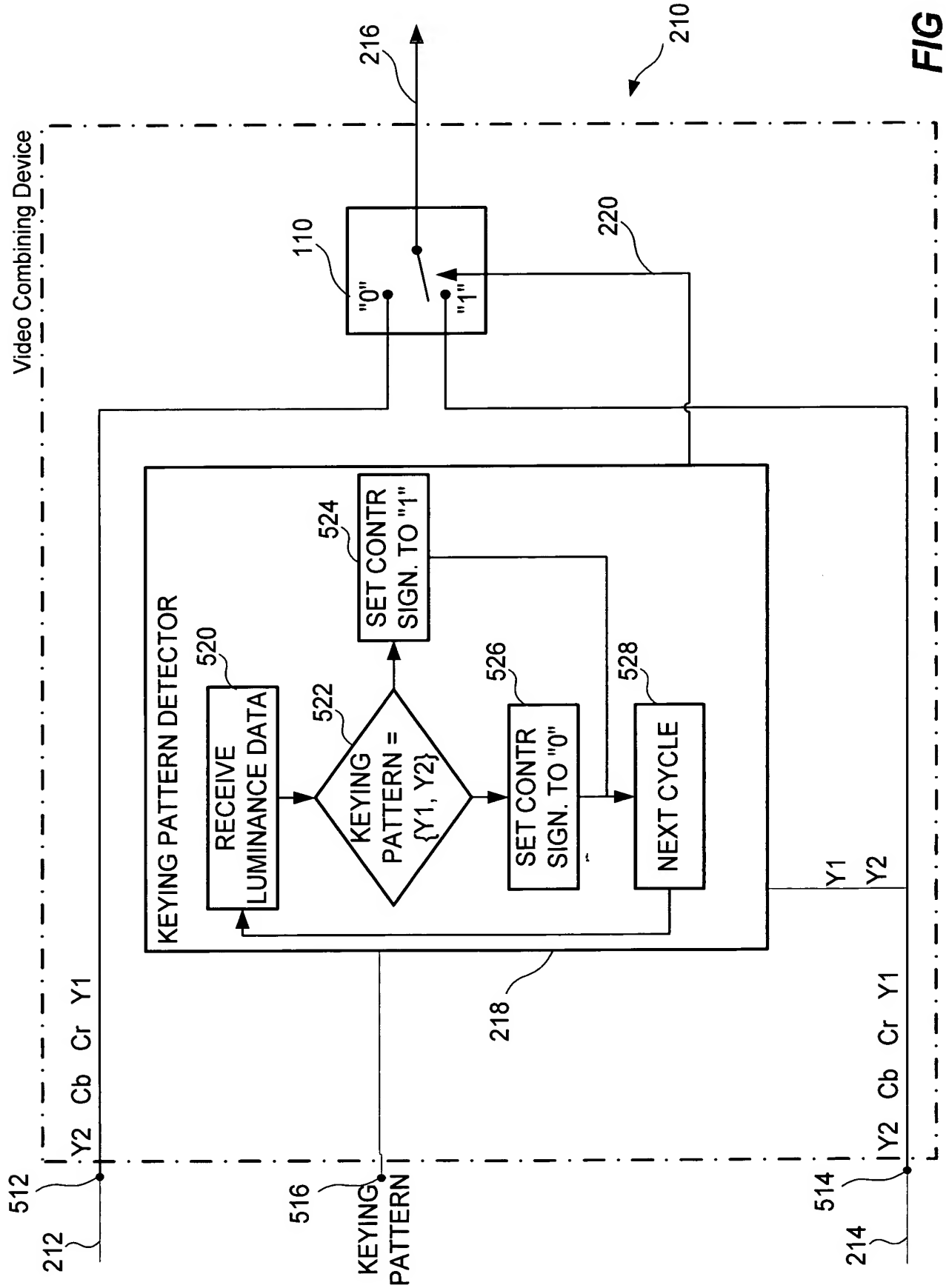

Video Combining Device
210
216
110
"0"
"1"
220
KEYING PATTERN DETECTOR
520
RECEIVE LUMINANCE DATA
522
KEYING PATTERN = {Y1, Y2}
524
SET CONTR SIGN. TO "1"
526
SET CONTR SIGN. TO "0"
528
NEXT CYCLE
218
Y1
Y2
512
Y2 Cb Cr Y1
212
516
KEYING PATTERN
514
Y2 Cb Cr Y1
214

FIG 10